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OGMCOAL - Byron Howard Work Plan Non-Intrusive Surveys

From: "Fortner, Amber" <amber.fortner@urs.com>
To: "Wayne Hedberg " <waynehedberg@utah.gov>
Date: 9/26/2011 4:51 PM
Subject: Byron Howard Work Plan Non-Intrusive Surveys
Attachments: Survey Workplan.doc

Wayne,

Attached is the work plan for the survey work. We are currently working on the site characterization work plan and will send it when it is complete. Let me know if this is not what you had in mind.

Cheers,
Amber

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TOPOGRAPHIC AND CULTURAL SURVEY WORK PLAN – SCOPE OF WORK

Byron Howard Project – AMR/015/921 Reclamation Engineering and Related Service Level of Effort Contract #106001 Work Assignment #010

I. WORK OBJECTIVES

This work plan provides the procedures to be followed for topographic and cultural surveys at the Byron Howard abandoned coal mine located in Deer Creek Canyon near the town of Huntington, in Emery County, Utah. The purpose of this work plan is to detail measures that will reduce and mitigate significant impacts to the site. No equipment will be needed to perform the surveys. All activities will be performed using handheld devices only (e.g., handheld GPS, cameras, and survey gear).

The following activities are included in this work plan:

1. Complete a topographic survey of the coal piles;
2. Establish two benchmarks and;
3. Perform a cultural survey.

Each of the items mentioned above is discussed in detail Section II (below).

II. TASKS

All activities associated with this work are non-intrusive and will be performed by traversing around the site on foot. There will be no impact or disturbance to the mine property or facilities. The following tasks are anticipated:

Topographic Survey and Establishing Benchmarks

URS has subcontracted Johanson and Tuttle to perform the topographic survey of the coal piles and to establish benchmarks for construction. This work will be completed with handheld GPS units and survey equipment. This information is needed to calculate volumes associated with the reclamation of the site back to the original contour.

Cultural Survey

URS has subcontracted Office of Public Archeology (OPA) to perform cultural surveys at the Byron Howard Abandoned Coal Mine site. OPA will perform their survey by traversing the site, recording field notes, and taking photographs. These data will be used to update an existing cultural survey that was previously completed for this site.

Potential Mitigative Measures

No mitigation will be necessary following the completion of this work because no heavy equipment will be used and all work is non-intrusive.

Byron Howard Project
AMR/015/921
Work Assignment #010

III. SCHEDULE

The work is anticipated to take 2 or 3 days, and will be performed sometime during the period of October 3 to October 14, 2010. URS will notify the Utah Abandoned Mine Program and Deer Creek Coal Mine prior to the commencement of field activities.